

INTERNATIONAL SEARCH REPORT

International Application No

/GB2004/002983

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H05K3/20 H05K3/46 H01L23/538

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H05K H01L G02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 159 222 A (LEBOW SANFORD ET AL) 26 June 1979 (1979-06-26) column 4, line 40 - column 5, line 25; figures 6,7A	1-39
X	GB 1 005 943 A (INTELLUX INC) 29 September 1965 (1965-09-29) page 4, lines 7-49; figures 8-14	1-39
A	EP 0 317 011 A (PHILIPS ELECTRONICS UK LTD; PHILIPS NV (NL)) 24 May 1989 (1989-05-24) the whole document	23
A	US 3 615 949 A (HICKS ROBERT E) 26 October 1971 (1971-10-26) the whole document	

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

12 October 2004

Date of mailing of the international search report

25/10/2004

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Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4159222	A	26-06-1979	US 4306925 A	22-12-1981
GB 1005943	A	29-09-1965	NONE	
EP 0317011	A	24-05-1989	GB 2212659 A	26-07-1989
			DE 3855793 D1	27-03-1997
			DE 3855793 T2	31-07-1997
			EP 0317011 A2	24-05-1989
			JP 1166020 A	29-06-1989
			JP 2608596 B2	07-05-1997
			US 5002367 A	26-03-1991
US 3615949	A	26-10-1971	NONE	